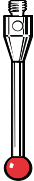


Ruby ball styli (stainless steel stems)

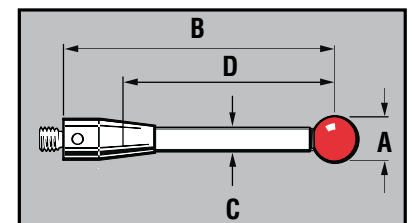
Part number	A-5000-7806	A-5000-7802	A-5000-7807	A-5000-7803	A-5000-3604	A-5000-4154	A-5000-4155	A-5000-4156	A-5000-4158
A Ball dia. mm (inch)	1.0 (0.04)	1.5 (0.06)	2.0 (0.08)	2.5 (0.10)	3.0 (0.12)	4.0 (0.16)	5.0 (0.20)	6.0 (0.24)	8.0 (0.32)
B Length mm (inch)	10.0 (0.40)	10.0 (0.40)	10.0 (0.40)	10.0 (0.40)	10.0 (0.40)	10.0 (0.40)	10.0 (0.40)	10.0 (0.40)	11.0 (0.44)
C Stem dia. mm (in.)	0.7 (0.03)	0.7 (0.03)	1.0 (0.04)	1.0 (0.04)	1.5 (0.06)	1.5 (0.06)	2.5 (0.10)	2.5 (0.10)	2.5 (0.10)
D EWL* mm (inch)	4.5 (0.18)	4.5 (0.18)	6.0 (0.24)	6.5 (0.25)	7.0 (0.28)	10.0 (0.40)	10.0 (0.40)	10.0 (0.40)	11.0 (0.44)
Mass grammes	0.3	0.3	0.3	0.3	0.4	0.4	0.7	0.9	1.5
10 mm range									

Part number	A-5000-3603	A-5000-7804	A-5000-4160	A-5000-4161
A Ball dia. mm (inch)	2.0 (0.08)	2.5 (0.10)	3.0 (0.12)	4.0 (0.16)
B Length mm (inch)	20.0 (0.79)	20.0 (0.79)	20.0 (0.79)	20.0 (0.79)
C Stem dia. mm (in.)	1.4 (0.06)	1.4 (0.06)	1.5 (0.06)	1.5 (0.06)
D EWL* mm (inch)	14.0 (0.56)	16.04 (0.63)	17.0 (0.67)	20.0 (0.79)
Mass grammes	0.4	0.4	0.5	0.6
20 mm range				

Ruby ball styli (tungsten carbide stems)

Part number	A-5000-7800	A-5000-7805	A-5000-7801	A-5003-1325
A Ball dia. mm (inch)	0.3 (0.012)	0.5 (0.02)	0.7 (0.03)	1.0 (0.04)
B Length mm (inch)	10.0 (0.40)	10.0 (0.40)	10.0 (0.40)	10.0 (0.40)
C Stem dia. mm (in.)	0.2 (0.01)	0.4 (0.02)	0.5 (0.02)	0.7 (0.03)
D EWL* mm (inch)	2.0 (0.08)	3.0 (0.12)	4.0 (0.16)	4.0 (0.16)
Mass grammes	0.3	0.3	0.3	0.3
10 mm range				

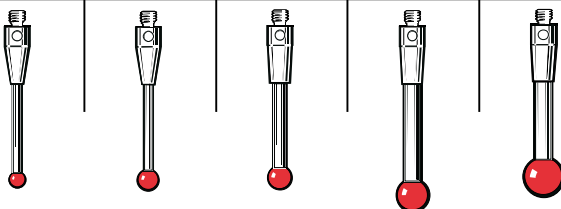
Part number	A-5003-1345	A-5003-0577	A-5000-7808	A-5003-0033	A-5003-0034
A Ball dia. mm (inch)	0.5 (0.02)	0.7 (0.03)	1.0 (0.04)	1.0 (0.04)	1.5 (0.06)
B Length mm (inch)	20.0 (0.79)	20.0 (0.79)	20.0 (0.79)	20.0 (0.76)	20.0 (0.76)
C Stem dia. mm (in.)	0.3 (0.012)	0.5 (0.02)	0.7 (0.03)	0.8 (0.04)	1.0 (0.04)
D EWL* mm (inch)	7.0 (0.28)	12.0 (0.48)	7.0 (0.28)	12.5 (0.50)	12.5 (0.50)
Mass grammes	0.48	0.32	0.50	0.41	0.50
20 mm range					



Ruby ball styli (tungsten carbide stems) – continued

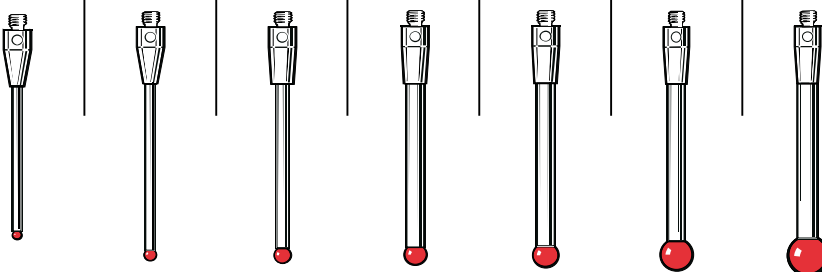
Part number	A-5003-3822	A-5003-1896	A-5003-0938	A-5003-1029	A-5003-0046
A Ball dia. mm (inch)	2.0 (0.08)	2.5 (0.10)	3.0 (0.12)	4.0 (0.16)	5.0 (0.20)
B Length mm (inch)	20.0 (0.79)	20.0 (0.79)	20.0 (0.79)	22.0 (0.87)	20.0 (0.79)
C Stem dia. mm (in.)	1.0 (0.04)	1.0 (0.04)	1.5 (0.06)	2.0 (0.08)	2.5 (0.10)
D EWL* mm (inch)	14.0 (0.55)	15.5 (0.62)	17.0 (0.67)	22.0 (0.87)	20.0 (0.79)
Mass grammes	0.48	0.50	0.77	1.24	1.98

20 mm range



Part number	A-5000-8663	A-5003-0035	A-5003-0036	A-5003-0038	A-5003-0040	A-5003-0043	A-5003-0047
A Ball dia. mm (inch)	1.0 (0.04)	1.5 (0.06)	2.0 (0.08)	2.5 (0.10)	3.0 (0.12)	4.0 (0.16)	5.0 (0.20)
B Length mm (inch)	27.5 (1.08)	30.0 (1.19)	30.0 (1.19)	30.0 (1.19)	30.0 (1.19)	30.0 (1.19)	30.0 (1.19)
C Stem dia. mm (in.)	0.7 (0.03)	1.0 (0.04)	1.5 (0.06)	2.0 (0.08)	2.0 (0.08)	2.0 (0.08)	2.5 (0.10)
D EWL* mm (inch)	20.5 (0.81)	22.5 (0.89)	22.5 (0.89)	22.5 (0.89)	27.0 (1.06)	30.0 (1.19)	30.0 (1.19)
Mass grammes	0.40	0.58	0.99	1.48	1.49	1.57	2.57

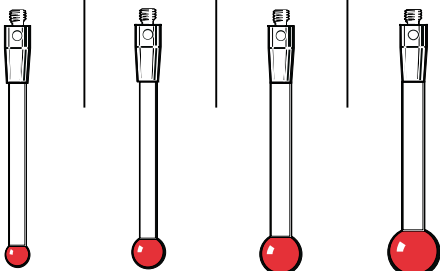
30 mm range



Ruby ball styli (ceramic stems)

Part number	A-5003-4177	A-5003-1370	A-5003-4779	A-5003-4780
A Ball dia. mm (inch)	3.0 (0.12)	4.0 (0.16)	5.0 (0.20)	6.0 (0.24)
B Length mm (inch)	30.0 (1.19)	30.0 (1.19)	30.0 (1.19)	30.0 (1.19)
C Stem dia. mm (in.)	2.0 (0.08)	2.0 (0.08)	2.5 (0.10)	2.5 (0.10)
D EWL* mm (inch)	27.0 (1.06)	30.0 (1.19)	30.0 (1.19)	30.0 (1.19)
Mass grammes	0.44	0.68	0.93	1.11

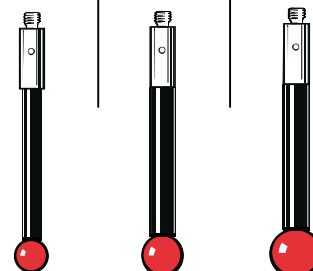
30 mm range



Ruby ball styli (carbon fibre stems)

Part number	A-5003-4241	A-5003-4781	A-5003-4782
A Ball dia. mm (inch)	4.0 (0.16)	5.0 (0.20)	6.0 (0.24)
B Length mm (inch)	30.0 (1.19)	30.0 (1.19)	30.0 (1.19)
C Stem dia. mm (in.)	2.0 (0.08)	3.0 (0.12)	3.0 (0.12)
D EWL* mm (inch)	30.0 (1.19)	30.0 (1.19)	30.0 (1.19)
Mass grammes	0.57	0.79	0.96

30 mm range

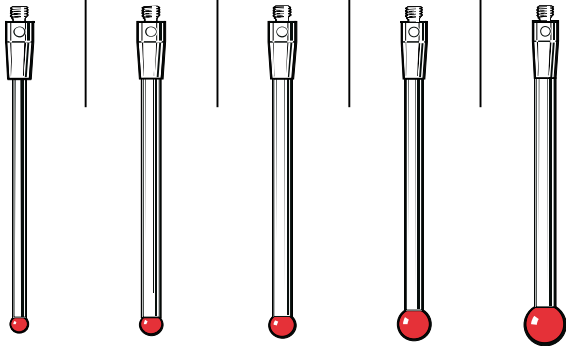


*Effective working length

Ruby ball styli (tungsten carbide stems)

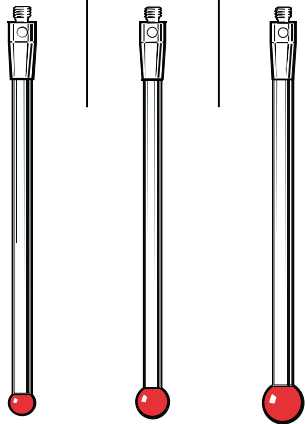
Part number		A-5003-0037	A-5003-0039	A-5003-0041	A-5003-0044	A-5003-0048
A	Ball dia. mm (inch)	2.0 (0.08)	2.5 (0.10)	3.0 (0.12)	4.0 (0.16)	5.0 (0.20)
B	Length mm (inch)	40.0 (1.58)	40.0 (1.58)	40.0 (1.58)	40.0 (1.58)	40.0 (1.58)
C	Stem dia. mm (in.)	1.5 (0.06)	2.0 (0.08)	2.0 (0.08)	2.0 (0.08)	2.5 (0.10)
D	EWL* mm (inch)	32.5 (1.28)	32.5 (1.28)	37.0 (1.46)	40.0 (1.58)	40.0 (1.58)
	Mass grammes	1.29	1.95	1.97	2.04	3.17

40 mm range



A-5003-0042	A-5003-0045	A-5003-0049
3.0 (0.12)	4.0 (0.16)	5.0 (0.20)
50.0 (1.97)	50.0 (1.97)	50.0 (1.97)
2.0 (0.08)	2.0 (0.08)	2.5 (0.10)
47.0 (1.85)	50.0 (1.97)	50.0 (1.97)
2.44	2.52	3.75

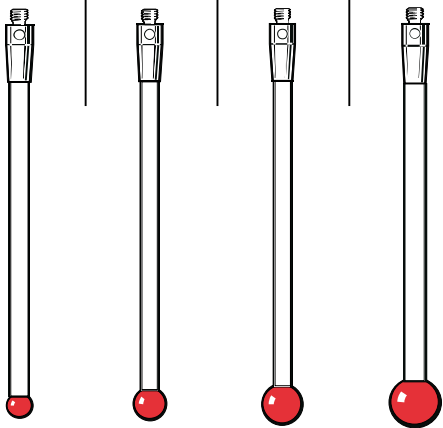
50 mm range



Ruby ball styli (ceramic stems)

Part number		A-5003-0064	A-5003-0065	A-5003-0066	A-5003-0470
A	Ball dia. mm (inch)	3.0 (0.12)	4.0 (0.16)	5.0 (0.20)	6.0 (0.24)
B	Length mm (inch)	50.0 (1.97)	50.0 (1.97)	50.0 (1.97)	50.0 (1.97)
C	Stem dia. mm (in.)	2.0 (0.08)	2.0 (0.08)	2.5 (0.10)	2.5 (0.10)
D	EWL * mm (inch)	47.0 (1.85)	50.0 (1.97)	50.0 (1.97)	50.0 (1.97)
	Mass grammes	0.83	0.91	1.31	1.49

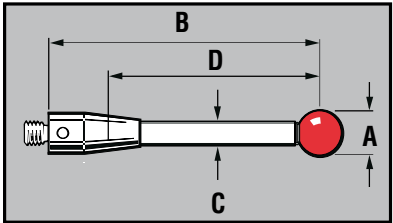
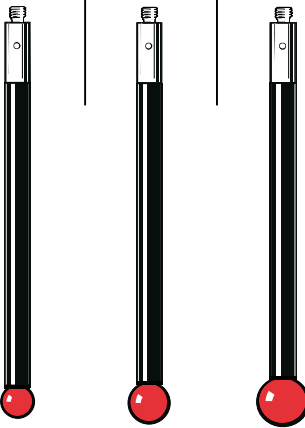
50 mm range



Ruby ball styli (carbon fibre stems)

Part number		A-5003-2285	A-5003-2286	A-5003-2287
A	Ball dia. mm (inch)	4.0 (0.16))	5.0 (0.20)	6.0 (0.24)
B	Length mm (inch)	50.0 (1.97)	50.0 (1.97)	50.0 (1.97)
C	Stem dia. mm (in.)	3.0 (0.12)	3.0 (0.12)	3.0 (0.12)
D	EWL* mm (inch)	50.0 (1.97)	50.0 (1.97)	50.0 (1.97)
	Mass grammes	1.00	1.10	1.20

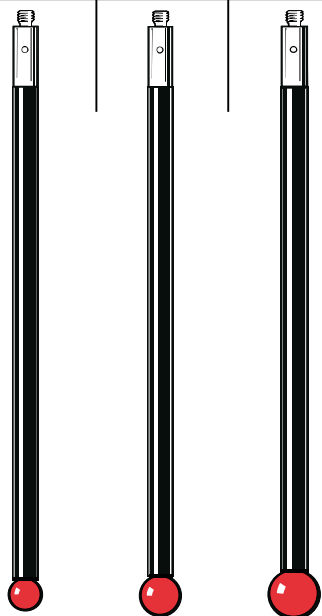
50 mm range



Ruby ball styli (carbon fibre stems)

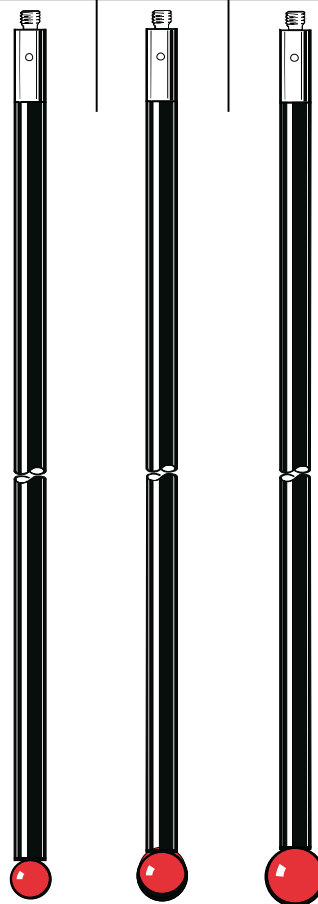
Part number	A-5003-4784	A-5003-4785	A-5003-4786
A Ball dia. mm (inch)	4.0 (0.16)	5.0 (0.20)	6.0 (0.24)
B Length mm (inch)	75.0 (2.96)	75.0 (2.96)	75.0 (2.96)
C Stem dia. mm (in.)	3.0 (0.12)	3.0 (0.12)	3.0 (0.12)
D EWL * mm (inch)	75.0 (2.96)	75.0 (2.96)	75.0 (2.96)
Mass grammes	0.15	1.27	1.45

75 mm range



100 mm range

Part number	A-5003-2289	A-5003-2290	A-5003-2291
Ball dia. mm (inch)	4.0 (0.16)	5.0 (0.20)	6.0 (0.24)
Length mm (inch)	100.0 (3.94)	100.0 (3.94)	100.0 (3.94)
Stem dia. mm (in.)	3.0 (0.12)	3.0 (0.12)	3.0 (0.12)
EWL * mm (inch)	100.0 (3.94)	100.0 (3.94)	100.0 (3.94)
Mass grammes	1.50	1.59	1.78

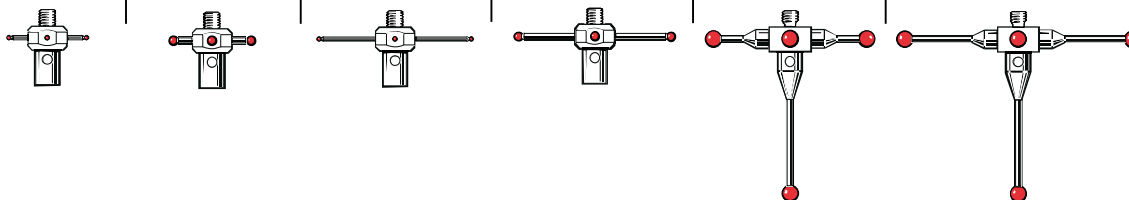


M2 threaded
stylus range

3.4

Star styli (fixed)

Part number	A-5003-4011	A-5000-7811	A-5003-4787	A-5003-4788	A-5000-7629	A-5000-3626
Span mm (inch)	10.0 (0.40)	10.0 (0.40)	20.0 (0.79)	20.0 (0.79)	18.0 (0.71)	30.0 (1.19)
Ball mm (inch)	0.5 (0.02)	1.0 (0.04)	0.5 (0.02)	1.0 (0.04)	2.0 (0.08)	2.0 (0.08)
Stem dia. mm (in.)	0.3 (0.012)	0.7 (0.03)	0.3 (0.012)	0.7 (0.03)	1.4 (0.06)	1.4 (0.06)
EWL * mm (inch)	NA	NA	NA	NA	12.0 (0.48)	12.0 (0.48)
Mass grammes	0.7	0.5	0.7	0.9	1.3	1.8



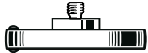
*Effective working length

Styli and accessories

Star styli centres

Part number	A-5003-4789	A-5003-4790	A-5003-4791	A-5000-3609
Ball dia. mm (inch)	1.0 (0.04)	0.5 (0.02)	1.0 (0.04)	2.0 (0.08)
Stem dia. mm (inch)	0.7 (0.03)	0.4 (0.02)	0.7 (0.03)	1.4 (0.06)
EWL* mm (inch)	3.5 (0.14)	7.0 (0.28)	11.0 (0.44)	12.0 (0.48)
Mass grammes	0.31	0.43	0.45	0.44
				

Disc styli

Part number	A-5000-3611 Ruby	A-5000-4187 Silver steel	A-5000-7809 Silver steel	A-5000-3613 Silver steel	A-5000-7810 Silver steel
Disc dia mm (inch)	6.0 (0.24)	25.0 (0.99)	18.0 (0.71)	18.0 (0.71)	25.0 (0.99)
Disc depth mm (inch)	1.2 (0.05)	3.1 (0.13)	1.6 (0.07)	2.3 (0.10)	1.6 (0.07)
Roller depth mm (inch)	2.0 (0.08)	NA	2.5 (0.10)	3.0 (0.12)	2.5 (0.10)
Stem dia. mm (inch)	2.0 (0.08)	NA	4.2 (0.17)	NA	4.2 (0.17)
Mass grammes	0.6	3.8	3.0	2.7	4.0
					

Cylinder styli

Part number	M-5000-4152 Silver steel	M-5000-4153 Silver steel	A-5000-8876 Ruby	A-5000-8877 Ruby	A-5000-7812 Ruby	A-5003-0073 Ruby
Cylinder dia mm (inch)	1.5 (0.06)	3.0 (0.12)	1.0 (0.04)	1.5 (0.06)	2.0 (0.08)	4.0 (0.16)
Overall length mm (in.)	10.75 (0.42)	12.75 (0.50)	15.0 (0.60)	15.0 (0.60)	21.2 (0.83)	22.0 (0.87)
Stem dia. mm (inch)	1.0 (0.04)	1.5 (0.06)	NA	NA	1.6 (0.07)	2.0 (0.08)
EWL* mm (inch)	1.25 (0.05)	3.8 (0.15)	8.0 (0.32)	8.0 (0.32)	7.2 (0.29)	10.0 (0.40)
Mass grammes	0.3	0.6	0.3	0.3	0.5	0.9
						

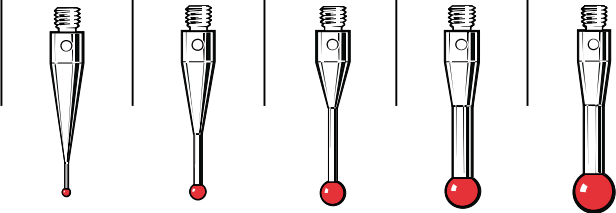
M2 threaded
stylus range

3.5

Ruby ball styli (stainless steel stems)

Part number		A-5000-3551	A-5000-3552	A-5000-3553	A-5000-7606	A-5000-7630
A	Ball dia. mm (inch)	1.0 (0.04)	2.0 (0.08)	3.0 (0.12)	4.0 (0.16)	5.0 (0.20)
B	Length mm (inch)	21.0 (0.83)	21.0 (0.83)	21.0 (0.83)	21.0 (0.83)	21.0 (0.83)
C	Stem dia. mm (in.)	0.7 (0.03)	1.4 (0.06)	1.5 (0.06)	2.5 (0.10)	2.5 (0.10)
D	EWL* mm (inch)	4.0 (0.16)	9.6 (0.38)	14.7 (0.58)	17.2 (0.68)	21.0 (0.83)
	Mass grammes	1.0	1.0	1.0	1.3	1.5

21 mm range



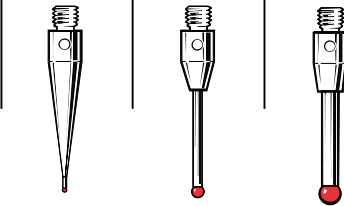
31 mm range

A-5000-3554	A-5000-7648
4.0 (0.16)	5.0 (0.20)
31.0 (1.23)	31.0 (1.23)
2.5 (0.10)	3.5 (0.14)
27.0 (1.07)	31.0 (1.23)
2.5	3.0

Ruby ball styli (tungsten carbide stems)

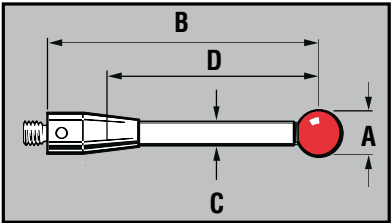
Part number		A-5000-7632	A-5003-0050	A-5003-0054
A	Ball dia. mm (inch)	0.5 (0.02)	1.5 (0.06)	2.5 (0.10)
B	Length mm (inch)	21.0 (0.83)	20.0 (0.78)	20.2 (0.80)
C	Stem dia. mm (in.)	0.4 (0.02)	1.0 (0.04)	2.0 (0.08)
D	EWL * mm (inch)	2.0 (0.08)	12.5 (0.50)	12.5 (0.50)
	Mass grammes	1.0	0.8	1.3

21 mm range



30 mm range

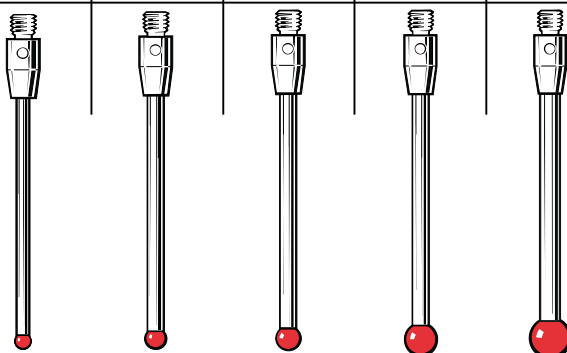
A-5003-0051	A-5003-0052	A-5003-0055	A-5003-0057
1.5 (0.06)	2.0 (0.08)	2.5 (0.10)	3.0 (0.12)
30.0 (1.19)	30.0 (1.19)	30.0 (1.19)	30.0 (1.19)
1.0 (0.04)	1.5 (0.06)	2.0 (0.08)	2.0 (0.08)
22.5 (0.89)	22.8 (0.90)	22.5 (0.89)	24.0 (0.94)
0.93	1.32	1.81	1.83



Ruby ball styli (tungsten carbide stems)

Part number		A-5003-0053	A-5003-0056	A-5003-0058	A-5003-0060	A-5003-0062
A	Ball dia. mm (inch)	2.0 (0.08)	2.5 (0.10)	3.0 (0.12)	4.0 (0.16)	5.0 (0.20)
B	Length mm (inch)	40.0 (1.58)	40.0 (1.58)	40.0 (1.58)	40.0 (1.58)	40.0 (1.58)
C	Stem dia. mm (in.)	1.5 (0.06)	2.0 (0.08)	2.0 (0.08)	2.0 (0.08)	2.5 (0.10)
D	EWL* mm (inch)	32.5 (1.28)	32.5 (1.28)	33.7 (1.33)	36.0 (1.42)	40.0 (1.58)
	Mass grammes	1.58	2.28	2.30	2.38	3.50

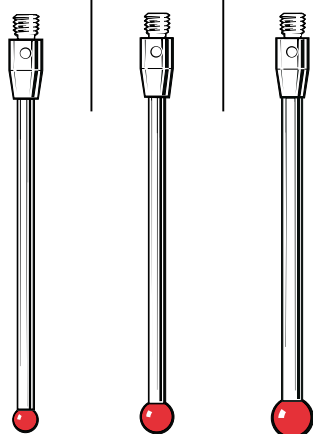
40 mm range



Ruby ball styli (tungsten carbide stems)

Part number		A-5003-0059	A-5003-0061	A-5003-0063
A	Ball dia. mm (inch)	3.0 (0.12)	4.0 (0.16)	5.0 (0.20)
B	Length mm (inch)	50.0 (1.97)	50.0 (1.97)	50.0 (1.97)
C	Stem dia. mm (in.)	2.0 (0.08)	2.0 (0.08)	2.5 (0.10)
D	EWL* mm (inch)	43.7 (1.72)	46.0 (1.82)	50.0 (1.97)
	Mass grammes	2.78	2.85	4.10

50 mm range



Ruby ball styli (ceramic stems)

Part number		A-5003-0067	A-5003-0068	A-5003-0069
A	Ball dia. mm (inch)	3.0 (0.12)	4.0 (0.16)	5.0 (0.20)
B	Length mm (inch)	50.0 (1.97)	50.0 (1.97)	50.0 (1.97)
C	Stem dia. mm (in.)	2.0 (0.08)	2.0 (0.08)	2.5 (0.10)
D	EWL* mm (inch)	43.7 (1.72)	46.0 (1.82)	50.0 (1.97)
	Mass grammes	1.17	1.24	1.33

50 mm range

